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IN THE CLAIMS:

Please AMEND the claims as follows:

(CURRENTLY AMENDED) An optical device, comprising:

a substrate having a first surface and a second surface, wherein said substrate is fixed via the first surface to a fixing material having substantially the same thermal expansion coefficient as the substrate;

- a first multi-layer film formed on the first surface of the substrate;
- a second multi-layer film formed on the second surface of the substrate; and
- a stress correction film formed on the second <u>surfacemulti-layer film</u>, correcting distortion of the substrate due to a difference in stress between the first and second multi-layer films formed on the first and second surfaces, respectively.
- (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said stress correction film is transparent to light with a specific wavelength, and the optical film thickness is an integral multiple of one half of the specific wavelength.
 - 3. (ORIGINAL) The optical device according to claim 1, wherein said stress correction film is made of SiO₂.
- (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said stress correction film maintains profile irregularity of the substrate at a value of one wavelength or less.
- 5. (PREVIOUSLY PRESENTED) The optical device according to claim 1, comprising:
 - a VIPA optical element further comprising:
 - said substrate being a plate transparent to light with a specific wavelength;
 - said first multi-layer film;
 - said second multi-layer film; and
 - said stress correction film maintaining the VIPA optical element substantially planar, and
- a mirror reflecting and returning the spectral components of light separated by the VIPA optical element to the VIPA optical element, wherein
 - a dispersion compensator is realized by using said VIPA optical element and said mirror.

- 6. (CANCELLED)
- 7. (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said fixing material is made of transparent glass or semiconductor.
- 8. (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said fixing material is made of opaque metal or ceramic.
- 9. (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said fixing material is made of copper-tungsten alloy, Kovar alloy, alumina, or BeO.
- 10. (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said substrate is fixed on said fixing material by organic adhesives, metallic soldering, or low melting point glass.
 - 11. (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said substrate is fixed on said fixing material at a plurality of points.
 - 12. (PREVIOUSLY PRESENTED) The optical device according to claim 1, wherein said substrate is optically connected with said fixing material.
 - 13. (PREVIOUSLY PRESENTED) The optical device according to claim 12, wherein the material of the optically connected surfaces is made of SiO₂.
- 14. (CURRENTLY AMENDED) A method for correcting distortion in an optical element, wherein the optical element includes a substrate having a first surface and a second surface, a first multi-layer film, a second multi-layer film, and a stress correction film, said method comprising:

fixing said substrate via the first surface to a fixing material having substantially the same thermal expansion coefficient as said substrate;

forming a first multi-layer film on the first surface of the substrate; forming a second multi-layer film on the second surface of the substrate; and forming a stress correction film on the second surfacemulti-layer film, correcting distortion

of the substrate due to a difference in stress between the first and second multi-layer films formed on the first and second surfaces, respectively.

15. (CURRENTLY AMENDED) An optical device, comprising:

a substrate having a first surface and a second surface, wherein said substrate is fixed via the first surface to a fixing material having substantially the same thermal expansion coefficient as the substrate;

- a first film formed on the first surface of the substrate;
- a second film formed on the second surface of the substrate; and
- a stress correction film formed on the second <u>surface multi-layer film</u>, correcting distortion of the substrate due to a difference in stress between the first and second films formed on the first and second surfaces, respectively.